Table A1: Data Block Format for PCSodar Wind Data Files (*.Dat)

| Line No. | Parameter |
|--|---|
| - 1 _{0.000} | Station name, year, month, day, time, PCSodar version number. |
| 2 | Averaging time (min), transmit frequency (Hz), range (m), range interval (m), first gate (m), pulse duration (ms), pulse level (%), rotation angle (degrees), ambient temperature (C), vertical wind speed correction (true/false), minimum signal-to-noise ratio (dB), minimum amplitude, consensus, minimum percent data, FFT size, sample rate (Hz), zero padding factor, bin width (bins), u bandwidth (bins), v bandwidth (bins), w bandwidth (bins), Hamming (true/false), Hanning (true/false), compensation delay time (ms), frequency input compensation (degrees), frequency output compensation (degrees), channel 1 w amplitude (%), channel 2 w amplitude (%), channel 1 u/v amplitude (%), channel 2 u/v amplitude (%), w phase compensation (degrees), u/v phase compensation (degrees), element spacing (cm), reflector board option, anemometer option, temperature 1 option, temperature 2 option, solar radiation option, precipitation option, relative humidity option, battery voltage option, relay delay (ms), system delay (sec), digital filtering option, pulse ramp (%), temperature 2 or precip switch option, solar radiation or generator option, parameter 2 ID, W echo rejection option, V echo rejection option, U echo rejection option, compass option, roof sensor option, solar charger option, input buffer delay, display pressure units, sonic option, heater option |
| 3 | Height (m), vector wind speed (m/s), vector wind direction (degrees), wind speed/wind direction reliability, w speed (m/s), w reliability, w count, w standard deviation (m/s), w amplitude, w noise, w signal-to-noise ratio, w valid count, v speed (m/s), v reliability, v count, v standard deviation (m/s), v amplitude, v noise, v signal-to-noise ratio, v valid count, u speed (m/s), u reliability, u count, u standard deviation (m/s), u amplitude, u noise, u signal-to-noise ratio, u valid count |
| 4 up to last range gate | A line formatted like Line No. 3 for each range gate. |
| | Example: For 14 range gates, the data block would contain 14 lines of sodar data formatted as shown for Line No. 3. |
| If any externa data, in this s | al sensors are being sampled, their data will be recorded following the wind sequence. |
| oglest, venda -mply with unager result | anemometer (Arithmetic wind speed (m/s), unit vector wind direction (degrees), vector wind speed (m/s), vector wind direction (degrees), wind direction standard deviation (degrees)) |
| Anglenates | temperature 1 (deg. C) |
| en transiti | temperature 2 (deg. C) or precipitation switch (volts) |
| essent for esse | solar radiation (watts/m2), generator voltage (volts), or barometric pressure (mb) |
| | precipitation (mm) |
| | relative humidity (%) |
| | battery voltage (volts) |